

RAINY RIVER BASIN--Continued

05127500 BASSWOOD RIVER NEAR WINTON, MN
(International Gaging Station)

LOCATION.--Lat 48°04'57", long 91°39'09", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T.65 N., R.10 W., Lake County, Hydrologic Unit 09030001, in Superior National Forest, on island in Jackfish Bay of Basswood Lake, used to determine discharge at outlet (lat 48°06'21", long 91°38'51", in sec. 19, T.65 N., R.10 W., on international boundary 14 mi northeast of Winton).

DRAINAGE AREA.--1,740 mi², approximately, (above outlet of Basswood Lake).

PERIOD OF RECORD.--March to June 1924, September 1925 to March 1928, January 1930 to current year. Monthly discharge only for some periods, published in WSP 1308.

REVISED RECORDS.--WSP 955: Drainage area. WSP 1145: 1935, 1937.

GAGE.--Water-stage recorder. Datum of gage is 1,296.80 ft above sea level (NGVD of 1928, levels by Geodetic Survey of Canada). Prior to Oct. 27, 1938, nonrecording gages at several sites in vicinity of gage, at datum 3.0 ft higher. Oct. 28, 1938 to Sept. 30, 1966, water-stage recorder at datum 3.0 ft higher.

REMARKS.--Records good. Some regulation by power plant on Kawishiwi River at Winton, and by many lakes located upstream from station.

COOPERATION.--This station is one of the international gaging stations maintained by the United States under agreement with Canada.

DISCHARGE, in CFS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	850	850	1250	1300	888	642	578	1160	1370	1570	638	604
2	835	861	1280	1300	879	637	576	1230	1310	1530	642	604
3	802	888	1290	1290	860	634	576	1330	1250	1500	668	586
4	763	908	1300	1270	853	634	581	1390	1200	1470	681	586
5	740	938	1330	1250	843	625	584	1460	1170	1500	704	584
6	716	949	1330	1240	829	619	587	1510	1160	1520	710	576
7	697	976	1350	1220	813	617	588	1530	1140	1490	707	569
8	684	986	1340	1200	804	634	589	1540	1120	1460	702	566
9	681	999	1340	1180	792	664	593	1560	1130	1420	687	552
10	718	991	1330	1170	780	676	596	1580	1100	1380	695	568
11	738	988	1340	1160	773	671	600	1600	1150	1320	703	563
12	738	979	1320	1150	752	669	610	1620	1130	1280	707	545
13	743	978	1320	1140	748	656	626	1650	1170	1240	690	536
14	744	978	1320	1110	738	652	659	1690	1180	1200	668	515
15	737	988	1320	1110	728	646	695	1720	1200	1170	667	504
16	730	1010	1310	1090	714	644	731	1700	1200	1100	668	490
17	720	1020	1300	1070	711	640	767	1680	1210	1050	675	481
18	708	1030	1300	1070	703	633	791	1660	1210	992	676	470
19	699	1040	1300	1060	695	621	814	1650	1230	927	685	499
20	681	1060	1300	1050	690	612	821	1630	1240	873	689	500
21	671	1060	1300	1040	679	605	820	1630	1240	844	681	472
22	668	1060	1300	1020	675	601	821	1620	1250	811	674	451
23	695	1050	1360	1010	671	600	827	1620	1350	776	663	444
24	698	1090	1360	998	665	598	846	1630	1420	740	644	432
25	697	1140	1350	986	656	593	870	1630	1480	703	632	413
26	723	1160	1350	976	652	585	900	1610	1540	668	621	401
27	738	1190	1350	963	648	578	956	1590	1560	666	604	384
28	737	1200	1340	947	644	584	996	1550	1580	686	579	383
29	748	1210	1330	938	---	585	1040	1520	1590	665	571	378
30	784	1240	1320	921	---	578	1090	1480	1580	652	616	367
31	822	---	1310	900	---	576	---	1420	---	644	620	---
TOTAL	22705	30817	40940	34129	20883	19309	22128	48190	38460	33847	20567	15023
MEAN	732.4	1027	1321	1101	745.8	622.9	737.6	1555	1282	1092	663.5	500.8
MAX	850	1240	1360	1300	888	676	1090	1720	1590	1570	710	604
MIN	668	850	1250	900	644	576	576	1160	1100	644	571	367
AC-FT	45040	61130	81200	67690	41420	38300	43890	95580	76290	67140	40790	29800
CFSM	0.42	0.59	0.76	0.63	0.43	0.36	0.42	0.89	0.74	0.63	0.38	0.29
IN.	0.49	0.66	0.88	0.73	0.45	0.41	0.47	1.03	0.82	0.72	0.44	0.32

BASIN--Continued		RAINY RIVER										LOWEST ANNUAL MEAN				
NEAR WINTON, MN--Continued		05127500 BASSWOOD RIVER										1958				
Gaging Station)		(International										HIGHEST DAILY MEAN				
												May 15	15200	May 24 1950	8950	May 9
												Sep 30	58	Nov 3 1976	448	Mar 29
												Sep 24	58	Nov 7 1976	452	Mar 25
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)												MAXIMUM PEAK FLOW		1730		
												May 15	15600	May 24 1950		
												May 15	9.94a	May 24 1950		3.99
APR	MAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	INSTANTANEOUS LOW FLOW		
														55	Nov 18 1976	
1235	MEAN	1080	1020	889.8	736.1	601.7	573.1							ANNUAL RUNOFF (AC-FT)	1423000	
		3721	2826	1828	1134	984.3								ANNUAL RUNOFF (CFSM)	1.13	
5069	MAX	5320	3879	2510	1475	1229	1143							ANNUAL RUNOFF (INCHES)	15.34	
		9114	7332	4453	3487	5034								10 PERCENT EXCEEDS	5170	1480
1945	(WY)	1978	1971	1983	1966	1966	1966							50 PERCENT EXCEEDS	1110	850
		1950	1950	1944	1944	1988								90 PERCENT EXCEEDS	505	584
269	MIN	65.1	60.2	76.2	86.2	95.0	135									
		225	696	512	278	120										
1977	(WY)	1977	1977	1977	1977	1977	1977									
		1977	1980	1980	1998	1976										
SUMMARY STATISTICS FOR 2001 CALENDAR YEAR												375				
FOR 2002 WATER YEAR												WATER YEARS 1931 - 2002				
ANNUAL TOTAL												717503		346998		
ANNUAL MEAN												1966		950.7		
1398	HIGHEST ANNUAL MEAN												1950			
2643																

a Present datum.
b Falling stage.



